



## Complete Summary

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### TITLE

Otitis media with effusion (OME): percentage of patients aged 2 months through 12 years with a diagnosis of OME who received tympanostomy tube insertion who had a hearing test performed within 6 months prior to tympanostomy tube insertion.

### SOURCE(S)

American Academy of Otolaryngology - Head and Neck Surgery Foundation, Physician Consortium for Performance Improvement®. Acute otitis externa (AOE)/otitis media with effusion (OME) physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2007 Mar. 12 p. [2 references]

## Measure Domain

### PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of patients aged 2 months through 12 years with a diagnosis of otitis media with effusion (OME) who received tympanostomy tube insertion who had a hearing test performed within 6 months prior to tympanostomy tube insertion.

### RATIONALE

Otitis media with effusion (OME) is often accompanied by hearing loss which can impair early language acquisition, especially in severe cases which often necessitate tympanostomy tube insertion. Therefore, it is imperative that any

patient for whom tympanostomy tube insertion is indicated have their hearing tested.\*

\*The following clinical recommendation statements are quoted verbatim from the referenced clinical guidelines and represent the evidence base for the measure:

Hearing testing is recommended when OME persists for 3 months or longer, or at any time that language delay, learning problems, or a significant hearing loss is suspected in a child with OME. (American Academy of Family Physicians/American Academy of Ophthalmology-Head and Neck Surgery Foundation/American Academy of Pediatrics [AAFP/AO-HNSF/AAP])

## PRIMARY CLINICAL COMPONENT

Otitis media with effusion (OME); hearing test; tympanostomy tube insertion

## DENOMINATOR DESCRIPTION

All patients aged 2 months through 12 years with a diagnosis of otitis media with effusion (OME) who received tympanostomy tube insertion (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

## NUMERATOR DESCRIPTION

Patients who had a hearing test performed within 6 months prior to tympanostomy tube insertion

## Evidence Supporting the Measure

### EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

### NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Otitis media with effusion.](#)

## Evidence Supporting Need for the Measure

### NEED FOR THE MEASURE

Unspecified

## State of Use of the Measure

### STATE OF USE

Current routine use

### CURRENT USE

Internal quality improvement  
National reporting

### Application of Measure in its Current Use

#### **CARE SETTING**

Physician Group Practices/Clinics

#### **PROFESSIONALS RESPONSIBLE FOR HEALTH CARE**

Physicians

#### **LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED**

Individual Clinicians

#### **TARGET POPULATION AGE**

Age 2 months through 12 years

#### **TARGET POPULATION GENDER**

Either male or female

#### **STRATIFICATION BY VULNERABLE POPULATIONS**

Unspecified

### Characteristics of the Primary Clinical Component

#### **INCIDENCE/PREVALENCE**

Unspecified

#### **ASSOCIATION WITH VULNERABLE POPULATIONS**

Unspecified

#### **BURDEN OF ILLNESS**

Unspecified

#### **UTILIZATION**

Unspecified

#### **COSTS**

Unspecified

## Institute of Medicine National Healthcare Quality Report Categories

### IOM CARE NEED

Getting Better

### IOM DOMAIN

Effectiveness

## Data Collection for the Measure

### CASE FINDING

Users of care only

### DESCRIPTION OF CASE FINDING

All patients aged 2 months through 12 years with a diagnosis of otitis media with effusion (OME) who received tympanostomy tube insertion

### DENOMINATOR SAMPLING FRAME

Patients associated with provider

### DENOMINATOR INCLUSIONS/EXCLUSIONS

#### Inclusions

All patients aged 2 months through 12 years with a diagnosis of otitis media with effusion (OME) who received tympanostomy tube insertion

#### Exclusions

- Documentation of medical reason(s) for not performing a hearing test within 6 months prior to tympanostomy tube insertion
- Documentation of system reason(s) for not performing a hearing test within 6 months prior to tympanostomy tube insertion

### RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

### DENOMINATOR (INDEX) EVENT

Clinical Condition  
Encounter  
Therapeutic Intervention

**DENOMINATOR TIME WINDOW**

Time window is a single point in time

**NUMERATOR INCLUSIONS/EXCLUSIONS****Inclusions**

Patients who had a hearing test performed within 6 months prior to tympanostomy tube insertion

**Exclusions**

None

**MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS**

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

**NUMERATOR TIME WINDOW**

Fixed time period

**DATA SOURCE**

Administrative data  
Medical record

**LEVEL OF DETERMINATION OF QUALITY**

Individual Case

**PRE-EXISTING INSTRUMENT USED**

Unspecified

**Computation of the Measure****SCORING**

Rate

**INTERPRETATION OF SCORE**

Better quality is associated with a higher score

**ALLOWANCE FOR PATIENT FACTORS**

Unspecified

## **STANDARD OF COMPARISON**

Internal time comparison

## **Evaluation of Measure Properties**

## **EXTENT OF MEASURE TESTING**

Unspecified

## **Identifying Information**

### **ORIGINAL TITLE**

Measure #5 - otitis media with effusion: hearing testing.

### **MEASURE COLLECTION**

[The Physician Consortium for Performance Improvement® Measurement Sets](#)

### **MEASURE SET NAME**

[Acute Otitis Externa \(AOE\)/Otitis Media with Effusion \(OME\) Physician Performance Measurement Set](#)

### **SUBMITTER**

American Medical Association on behalf of the American Academy of Otolaryngology - Head and Neck Surgery (AAO-HNS) Foundation and the Physician Consortium for Performance Improvement®

### **DEVELOPER**

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Physician Consortium for Performance Improvement®

### **FUNDING SOURCE(S)**

Unspecified

### **COMPOSITION OF THE GROUP THAT DEVELOPED THE MEASURE**

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## **FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST**

Conflicts, if any, are disclosed in accordance with the Physician Consortium for Performance Improvement® conflict of interest policy.

## **INCLUDED IN**

Ambulatory Care Quality Alliance  
Physician Quality Reporting Initiative

## **ADAPTATION**

Measure was not adapted from another source.

## **RELEASE DATE**

2007 Mar

## **MEASURE STATUS**

This is the current release of the measure.

## **SOURCE(S)**

American Academy of Otolaryngology - Head and Neck Surgery Foundation, Physician Consortium for Performance Improvement®. Acute otitis externa (AOE)/otitis media with effusion (OME) physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2007 Mar. 12 p. [2 references]

## **MEASURE AVAILABILITY**

The individual measure, "Measure #5 - Otitis Media with Effusion: Hearing Testing," is published in "Acute Otitis Externa (AOE)/Otitis Media with Effusion

(OME) Physician Performance Measurement Set." This document and technical specifications are available in Portable Document Format (PDF) from the American Medical Association (AMA)-convened Physician Consortium for Performance Improvement® Web site: [www.physicianconsortium.org](http://www.physicianconsortium.org).

For further information, please contact AMA staff by e-mail at [cqi@ama-assn.org](mailto:cqi@ama-assn.org).

## **NQMC STATUS**

This NQMC summary was completed by ECRI Institute on January 16, 2008. The information was verified by the measure developer on February 18, 2008.

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